

AMENDMENTS TO THE SPECIFICATION

Please amend the specification as follows.

Please replace paragraph [0009] of the specification as originally filed with the paragraph below, which is marked-up to show the changes therein:

Preferably, when the main wireless terminal is withdrawn from the ad-hoc group, the main wireless terminal transfers a ~~function of~~ key distribution center function to a sub wireless terminal selected from among the (N-1) sub wireless terminals, so that the sub wireless terminal acts as the main wireless terminal.

Please replace paragraph [0022] of the specification as originally filed with the paragraph below, which is marked-up to show the changes therein:

Referring to FIG. 2, in step 21, among N (where N is preferably an integer equal to or greater than two) wireless terminals forming an ad-hoc group, a main wireless terminal functions as a key distribution center (KDC). Initially, the creator of the ad-hoc group is set as the main wireless terminal in order to function as the key distribution center. When the main wireless terminal is withdrawn from the ad-hoc group, the main wireless terminal is able to transfer the ~~function of~~ key distribution center function to another wireless terminal selected from among the (N-1) wireless terminals remaining in the ad-hoc group.

Please replace paragraph [0028] of the specification as originally filed with the paragraph below, which is marked-up to show the changes therein:

The sub wireless terminal 41 includes a first group key generator 42, a first encryption unit 43, and a first key management unit 44. The main wireless terminal 45 includes a second group key generator 46, a second encryption unit 47, and a second key management unit 48. Initially, a main wireless terminal 45 is set as

the creator of an ad-hoc group. However, when the main wireless terminal 45 is withdrawn from the ad-hoc group, the main wireless terminal is able to transfer a ~~function of~~ key distribution center function to another wireless terminal selected from among the (N-1) wireless terminals remaining in the ad-hoc group. Accordingly, each of the remaining wireless terminals 41 constituting the ad-hoc group, as well as the original main wireless terminal 45, must have the ability to function as a key distribution center.

Please replace paragraph [0039] of the specification as originally filed with the paragraph below, which is marked-up to show the changes therein:

The above-described preferred and exemplary embodiments of the present invention may be embodied as computer programs and may also be embodied in a general-purpose digital computer for executing the computer programs using a computer readable medium. The computer readable medium may include storage media, such as magnetic storage media (e.g. ROMs, floppy discs, hard discs, etc.), and optically readable media (e.g. CD-ROMs, DVDs, etc.), ~~and carrier waves (transmissions over the Internet)~~.

Please replace paragraph [0042] of the specification as originally filed with the paragraph below, which is marked-up to show the changes therein:

In addition, it is possible to continuously perform key management, i.e., creation, distribution, and modification of a second group key, by allowing the wireless terminal that is the creator of the ad-hoc group to function as a key distribution center and to transfer that ~~function of~~ key distribution center function to another wireless terminal when the wireless terminal that has functioned as the key distribution center is withdrawn from the ad-hoc network.